

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	16	"4705981"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 15:57
S2	2	((("4705981") or ("5955821"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/09/21 15:59
S3	1	("6183426").PN.	US-PGPUB; USPAT	OR	OFF	2010/09/21 16:05
S4	1	("7001355").PN.	US-PGPUB; USPAT	OR	OFF	2010/09/21 16:06
S5	19	("4372296" "4787888" "5183426" "5267985" "5383848" "5445611" "5722397" "6066123" "6350459").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:07
S6	1	("6576875").PN.	US-PGPUB; USPAT	OR	OFF	2010/09/21 16:08
S7	1	10/560032	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:09
S8	0	"401245796"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:25
S9	0	"401245796A"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:25
S10	0	"JP 401245796A"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:25

S11	1	"JP401245796A"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:27
S12	87506	electrode with (ring or annular)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:55
S13	2372	S12 same piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:55
S14	790	S13 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:55
S15	169054	(electrode with upper) (electrode with lower)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:56
S16	133	S14 S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/09/21 16:56
S17	389	piezoelectric same (hole or open\$3 or donut or ring) same restrain\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 16:52
S18	67	S17 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 16:52
S19	259	2002/055702 or 2001/041856 or "4372295" or "5722397" or "4787888" or "5383848"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:07

S20	12	("20010041856" "20020055702" "4372296" "4787888" "5267985" "5383848" "5445611" "5722397" "6066123" "6183426" "6350459").PN. OR ("7001355").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2010/10/12 18:13
S21	98	S19 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:29
S22	30	S21 piezoelectric electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:29
S23	14890	piezoelectric same (hole or open\$3 or donut or ring or hollow or annular) same electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:34
S24	3207	S23 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:34
S25	427	S24 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:34
S26	3389	parasitic with resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:35
S27	8	S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:35

S28	3	S23 same S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:41
S29	18	S23 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:41
S30	509	S26 with reduc\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:48
S31	30	S30 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:49
S32	1487	pzt same (hole or open \$3 or donut or ring or hollow or annular) same electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:55
S33	276	S32 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:55
S34	0	S33 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:55
S35	14	S33 parasitic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:55
S36	73	S32 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 18:56

S37	14933	piezoelectric same (hole or open\$3 or donut or doughnut or ring or hollow or annular or toroid\$3) same electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 19:17
S38	18	S26 S37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 19:17
S39	430	S37 ultraso\$7 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 19:17
S40	215	S37 ultraso\$7 (skin or derm\$3 or epiderm\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/12 19:19
S41	53	transducer same (parasitic with resonance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 16:23
S42	23	(parasitic with resonance) ultraso\$7 (skin or derm\$3 or epiderm\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 17:25
S43	2	((("4698058") or ("4173725")).PN.	US-PGPUB; USPAT	OR	OFF	2010/10/14 18:06
S44	6	(restrain\$3 with vibrat\$3 with center) ultraso\$7 (skin or derm\$3 or epiderm\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 18:11
S45	739	(electrode with slit) same (piezoelectric or pzt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 18:15

S46	130	S45 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 18:16
S47	9	S46 (skin or derm\$3 or epider\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 18:16
S48	84	S46 (disc or hole or opening or donut or ring or hollow or annular or doughnut)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 18:33
S49	1270	(310/366).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/10/14 19:07
S50	533	(310/369).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/10/14 19:07
S51	76	S49 S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/14 19:08
S52	12869	cosmetic ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 14:15
S53	7406	S52 skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 14:15
S54	1410	S53 electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 14:16
S55	513	S54 transducer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 14:24

S56	288	S55 probe	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 14:24
S57	159	resonance S56	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 14:56
S58	533	(310/369).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/10/18 15:10
S59	1270	(310/366).CQLS.	US-PGPUB; USPAT	OR	OFF	2010/10/18 15:11
S60	325	S58 electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 15:25
S61	75	restrict\$3 with radiat\$3 with oscillat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 18:58
S62	1	S54 S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 18:58
S63	26	S61 electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 18:58
S64	0	(S59 or S58) S61	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 19:02
S65	116	((S59 or S58) ((restrict\$3 or prevent\$3 or unwanted \$3 or undesir\$4) with (oscillat\$3 or propagat \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 19:05

S66	6748	((restrict\$3 or prevent\$3 or unwanted\$3 or undesir\$4) with (oscillat\$3 or propagat\$3)) ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 19:05
S67	868	S66 (electrode with (upper or lower or top or bottom))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 19:06
S68	113	S67 (skin or derm\$2 or epiderm\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 19:06
S69	11942	ring with (transducer or piezoelectric or pzt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:25
S70	1069	S69 (ring with electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:25
S71	480	S70 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:26
S72	67	S71 skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:26
S73	6281	annular with (transducer or piezoelectric or pzt)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:45
S74	606	S73 same electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:45

S75	273	S74 ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:45
S76	11	(restrain\$3 with vibrat\$4 with center) ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:54
S77	1520	ultraso\$7 (ring with electrode) skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:58
S78	64	S77 horn	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 21:58
S79	76	S54 ((annular or ring or toroidal or toroid or donut or doughnut) with (transducer or piezoelectric or pzt or ceramic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/18 22:06
S80	1243	ultraso\$7 (electrode same piezoelectric) (solder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:01
S81	114	S80 (solder with lead with wire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:01
S82	14	S81 skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:01
S83	2753	(horn same ultraso\$7) (horn same (hole or opening))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:33

S84	154	S83 skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:33
S85	45	S84 electrode piezoelectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:33
S86	8	"2002055702" or "2001041856"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:35
S87	1	"200255702" or "200141856"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:36
S88	4	((("4372296") or ("5722397") or ("4787888") or ("5383848"))).PN.	US-PGPUB; USPAT	OR	OFF	2010/10/21 16:37
S89	13	(restrain\$3 with vibrat \$3) same (horn with (open\$3 or hole))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:44
S90	62	(restrain\$3 same vibrat \$3 same horn) ultraso\$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 16:47
S91	6662	ultraso\$7 with skin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 17:18
S92	449	S91 horn	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 17:24

S93	317	S92 tissue	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 17:40
S94	11465	horn with (opening or hole or notch or divot or dent)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 17:40
S95	20	S93 S94	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2010/10/21 17:40

EAST Search History (Interference)

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